BA Calculator App quick start guide.

This app is intended as a training tool for firefighters operating as BA entry control officers. It takes care of some of the calculations to ease workload on the individual to allow them to focus on other tasks.

This app will function as a webpage or can be installed onto android or Apple devices to work without internet connection.

Disclaimer

This application was developed for personal use and as a training aid for colleagues. It is intended for development and educational purposes only. The developer assumes no responsibility for the accuracy of the calculations or its suitability for use at live incidents. This app is not a substitute for formal training or official service equipment and may not reflect the most current operational policies. Use at your own risk.

Installation

Click the link on your device:

https://paulmak1000-lang.github.io/BACalc/

This will open the web page viewer for the app. To install it locally follow the below instructions:

For iPhone (Safari)

1. **Open Safari** and go to https://paulmak1000-lang.github.io/BACalc/

2. Tap the **Share** button at the bottom center (the square with an arrow pointing up).

3. Scroll down the menu and select **Add to Home Screen**.

4. Confirm the name (e.g., "BA Calc") and tap **Add** in the top right.

5. The app will now live on your home screen with the following icon:

For Android (Chrome)

1. **Open Chrome** and go to https://paulmak1000-lang.github.io/BACalc/

2. Tap the **three vertical dots (⋮)** in the top right corner.

3. Look for **Install app** or **Add to Home screen**.

4. Android will give 2 options, one to create a shortcut to the webpage and the other to install app – **Installation of app is recommended** to maintain functionality when out of phone signal.

5. A pop-up will appear; tap **Install**

6. You will find the "BA Calc" in your app drawer with the following Icon:

Operation:
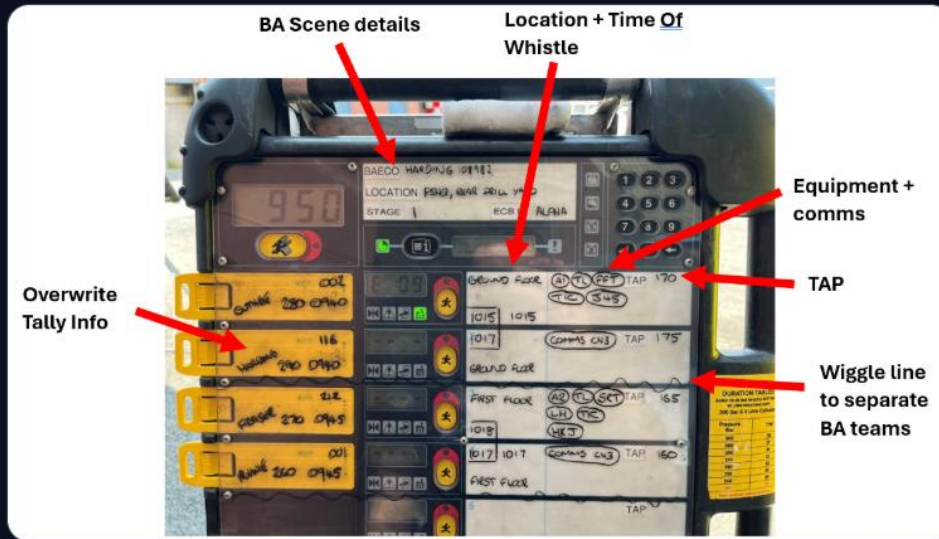
On launch the app will display as follows:

Time Of Entry:

This time should match the time on the entry control board

BA Calculator

TIME OF ENTRY

| 18:00 | 🕐 | NOW |

MINUTES ALREADY ELAPSED

| 0 | CLEAR |

BAR	TAP	DUR	TOW
300	190	38m	18:38
290	185	37m	18:37
280	180	35m	18:35
270	175	33m	18:33
260	170	32m	18:32
250	165	30m	18:30
240	160	28m	18:28
160	120	16m	18:16

160 BAR FOR RE-ENTRY ONLY
Based on 65 BAR whistle @ 50L/Min rate
300 BAR X 9L cylinder

Aide Memoire

ABBR.	MEANING
FFT	Fire Fighting Team
HRJ	Hose Reel Jet
J	Main Jet (45/70mm)
LH / RH	Left/Right Hand
SRT	Search and Rescue Team
TIC	Thermal Image Camera
TAP	Turn Around Pressure
A1, A2...	Team Alpha One etc.
B1, B2...	Team Bravo One etc.
CL	Casualty Located
TL	Team Leader
COMMS	Radio Communications
RE	Re-Entry